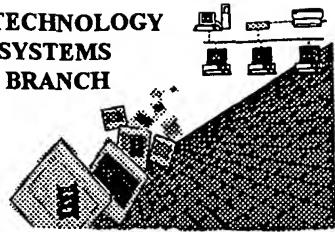


0370
1001

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/052,648
Source: OTPE
Date Processed by STIC: 10/1/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202**
3. **Hand Carry directly to:**
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
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Revised 01/29/2002



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/052,648

DATE: 10/01/2002
TIME: 16:42:28

Input Set : A:\Cura5501.app
Output Set: N:\CRF4\10012002\J052648.raw

3 <110> APPLICANT: Anderson, David
4 Burgess, Catherine
5 Casman, Stacie
6 Colman, Steven
7 Edinger, Shlomit R.
8 Ellerman, Karen
9 Gerlach, Valerie
10 Gunther, Erik
11 Kekuda, Ramesh
12 MacDougall, John R.
13 Mehraban, Fuad
14 Paturajan, Meera
15 Rothenberg, Mark
16 Shimkets, Richard
17 Smithson, Glennda
18 Spytek, Kimberly A.
19 Stone, David J.
20 Vernet, Corine A.M.
21 Zerhusen, Bryan D.
23 <120> TITLE OF INVENTION: PROTEINS, POLYNUCLEOTIDES ENCODING THEM AND METHODS OF
24 USING THE SAME
26 <130> FILE REFERENCE: 21402-250 (CURA-550)
28 <140> CURRENT APPLICATION NUMBER: 10/052,648
29 <141> CURRENT FILING DATE: 2002-01-18
31 <150> PRIOR APPLICATION NUMBER: 60/262,454
32 <151> PRIOR FILING DATE: 2001-01-18
34 <150> PRIOR APPLICATION NUMBER: 60/272,920
35 <151> PRIOR FILING DATE: 2001-03-02
37 <150> PRIOR APPLICATION NUMBER: 60/284,549
38 <151> PRIOR FILING DATE: 2001-04-18
40 <150> PRIOR APPLICATION NUMBER: 60/303,229
41 <151> PRIOR FILING DATE: 2001-07-05
43 <150> PRIOR APPLICATION NUMBER: 60/262,892
44 <151> PRIOR FILING DATE: 2001-01-19
46 <150> PRIOR APPLICATION NUMBER: 60/263,605
47 <151> PRIOR FILING DATE: 2001-01-23
49 <150> PRIOR APPLICATION NUMBER: 60/269,098
50 <151> PRIOR FILING DATE: 2001-02-15
52 <150> PRIOR APPLICATION NUMBER: 60/264,159
53 <151> PRIOR FILING DATE: 2001-01-25
55 <150> PRIOR APPLICATION NUMBER: 60/265,517
56 <151> PRIOR FILING DATE: 2001-01-31
58 <150> PRIOR APPLICATION NUMBER: 60/271,855

Does Not Comply
Corrected Diskette Needed
PP. 2-4-5

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/052,648

DATE: 10/01/2002
TIME: 16:42:28

Input Set : A:\Cura5501.app
Output Set: N:\CRF4\10012002\J052648.raw

59 <151> PRIOR FILING DATE: 2001-02-27
61 <150> PRIOR APPLICATION NUMBER: 60/267,057
62 <151> PRIOR FILING DATE: 2001-02-07
64 <150> PRIOR APPLICATION NUMBER: 60/286,287
65 <151> PRIOR FILING DATE: 2001-04-25
67 <160> NUMBER OF SEQ ID NOS: 97
69 <170> SOFTWARE: PatentIn Ver. 2.1

ERRORED SEQUENCES

3711 <210> SEQ ID NO: 35
3712 <211> LENGTH: 969
3713 <212> TYPE: PRT
3714 <213> ORGANISM: HOMO sapiens
3716 <400> SEQUENCE: 35
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3719 Ser Thr Gly Ser Ser Ala Pro Gly Thr Ala Leu Cys Thr Glu Glu Cys
3720 20 25 30
3721 Val His Gly Arg Cys Val Ser Pro Asp Thr Cys His Cys Glu Pro Gly
3722 35 40 45
3723 Trp Gly Gly Pro Asp Cys Ser Ser Gly Cys Asp Ser Asp His Trp Gly
3724 50 55 60
3725 Pro His Cys Ser Asn Arg Cys Gln Cys Gln Asn Gly Ala Leu Cys Asn
3726 65 70 75 80
3727 Pro Ile Thr Gly Ala Cys Val Cys Ala Ala Gly Phe Arg Gly Trp Arg
3728 85 90 95
3729 Cys Glu Glu Leu Cys Ala Pro Gly Thr His Gly Lys Gly Cys Gln Leu
3730 100 105 110
3731 Pro Cys Gln Cys Arg His Gly Ala Ser Cys Asp Pro Arg Ala Gly Glu
3732 115 120 125
3733 Cys Leu Cys Ala Pro Gly Tyr Thr Gly Val Tyr Cys Glu Glu Leu Cys
3734 130 135 140
3735 Pro Pro Gly Ser His Gly Ala His Cys Glu Leu Arg Cys Pro Cys Gln
3736 145 150 155 160
3737 Asn Gly Gly Thr Cys His His Ile Thr Gly Glu Cys Ala Cys Pro Pro
3738 165 170 175
3739 Gly Trp Thr Gly Ala Val Cys Ala Gln Pro Cys Pro Pro Gly Thr Phe
3740 180 185 190
3741 Gly Gln Asn Cys Ser Gln Asp Cys Pro Cys His His Gly Gly Gln Cys
3742 195 200 205
3743 Asp His Val Thr Gly Gln Cys His Cys Thr Ala Gly Tyr Met Gly Asp
3744 210 215 220
3745 Arg Cys Gln Glu Glu Cys Pro Phe Gly Ser Phe Gly Phe Gln Cys Ser
3746 225 230 235 240
3747 Gln His Cys Asp Cys His Asn Gly Gly Gln Cys Ser Pro Thr Thr Gly
3748 245 250 255
3749 Ala Cys Glu Cys Glu Pro Gly Tyr Lys Gly Pro Arg Cys Gln Glu Arg

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/052,648

DATE: 10/01/2002
TIME: 16:42:29

Input Set : A:\Cura5501.app
Output Set: N:\CRF4\10012002\J052648.raw

3766	260	265	270
3768	Leu Cys Pro Glu Gly Leu His Gly Pro Gly Cys Thr Leu Pro Cys Pro		
3769	275	280	285
3771	Cys Asp Ala Asp Asn Thr Ile Ser Cys His Pro Val Thr Gly Ala Cys		
3772	290	295	300
3774	Thr Cys Gln Pro Gly Trp Ser Gly His His Cys Asn Glu Ser Cys Pro		
3775	305	310	315
3777	320	325	330
3778	335	340	345
3780	350	355	360
3781	Gly Ala Asp Cys His Ser Ile Thr Gly Gly Cys Thr Cys Ala Pro Gly		
3783	365	370	375
3784	Phe Met Gly Glu Val Cys Ala Val Ser Cys Ala Ala Gly Thr Tyr Gly		
3786	380	385	390
3787	395	400	405
3789	410	415	420
3790	425	430	435
3792	440	445	450
3793	455	460	465
3795	470	475	480
3796	480	485	490
3798	495	500	505
3799	510	515	520
3801	525	530	535
3802	540	545	550
3804	545	550	555
3805	560	565	570
3807	575	580	585
3808	590	595	600
3810	605	610	615
3811	620	625	630
3813	640	645	650
3814	655	655	655
3816	655	655	655
3817	655	655	655
3819	655	655	655
3820	655	655	655
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3835	655	655	655
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3838	655	655	655

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/052,648

DATE: 10/01/2002
TIME: 16:42:29

Input Set : A:\Cura5501.app
Output Set: N:\CRF4\10012002\J052648.raw

3840 Thr Gly Leu Phe Cys Thr Gln Arg Cys Pro Ala Ala Phe Phe Gly Lys
 3841 660 665 670
 3843 Asp Cys Gly Arg Val Cys Gln Cys Gln Asn Gly Ala Ser Cys Asp His
 3844 675 680 685
 3846 Ile Ser Gly Lys Cys Thr Cys Arg Thr Gly Phe Thr Gly Gln His Cys
 3847 690 695 700
 3849 Glu Gln Arg Cys Ala Pro Gly Thr Phe Gly Tyr Gly Cys Gln Gln Leu
 3850 705 710 715 720
 3852 Cys Glu Cys Met Asn Asn Ser Thr Cys Asp His Val Thr Gly Thr Cys
 3853 725 730 735
 3855 Tyr Cys Ser Pro Gly Phe Lys Gly Ile Arg Cys Asp Gln Ala Ala Leu
 3856 740 745 750
 3858 Met Met Glu Glu Leu Asn Pro Tyr Thr Lys Ile Ser Pro Ala Leu Gly
 3859 755 760 765
 3861 Ala Glu Arg His Ser Val Gly Ala Val Thr Gly Ile Met Leu Leu Leu
 3862 770 775 780
 3864 Phe Leu Ile Val Val Leu Leu Gly Leu Phe Ala Trp His Arg Arg Arg
 3865 785 790 795 800
 3867 Gln Lys Glu Lys Gly Arg Asp Leu Ala Pro Arg Val Ser Tyr Thr Pro
 3868 805 810 815
 3870 Ala Met Arg Met Thr Ser Thr Asp Tyr Ser Leu Ser Gly Ala Cys Gly
 3871 820 825 830
 E--> 3873 Met Asp Arg Arg Gln Asn Thr Tyr Ile Met Asp Lys Gly Phe Lys Xaa
 3874 835 840 845
 E--> 3876 Xaa
 3877 850 855 860
 E--> 3879 Xaa
 3880 865 870 875 880
 E--> 3882 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Met Lys Ser Pro Val His Met
 3883 885 890 895
 3885 Gly Ser Pro Tyr Thr Asp Val Pro Ser Leu Ser Thr Ser Asn Lys Asn
 3886 900 905 910
 3888 Ile Tyr Glu Val Glu Pro Thr Val Ser Val Val Gln Glu Gly Cys Gly
 3889 915 920 925
 3891 His Asn Ser Ser Tyr Ile Gln Asn Ala Tyr Asp Leu Pro Arg Asn Ser
 3892 930 935 940
 3894 His Ile Pro Gly His Tyr Asp Leu Leu Pro Val Arg Gln Ser Pro Ala
 3895 945 950 955 960
 3897 Asn Gly Pro Ser Gln Asp Lys Gln Ser
 3898 965

see p.5
for error
Explanation

VARIABLE LOCATION SUMMARY
PATENT APPLICATION: US/10/052,648

DATE: 10/01/2002
TIME: 16:42:30

Input Set : A:\Cura5501.app
Output Set: N:\CRF4\10012002\J052648.raw

Use of n's or Xaa's(NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:13; N Pos. 1408

Seq#:14; Xaa Pos. 203

Seq#:15; N Pos. 2004

Seq#:35; Xaa Pos. 848,849,850,851,852,853,854,855,856,857,858,859,860,861

Seq#:35; Xaa Pos. 862,863,864,865,866,867,868,869,870,871,872,873,874,875

Seq#:35; Xaa Pos. 876,877,878,879,880,881,882,883,884,885,886,887,888,889

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/052,648

DATE: 10/01/2002

TIME: 16:42:30

Input Set : A:\Cura5501.app

Output Set: N:\CRF4\10012002\J052648.raw

L:1553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:1380
L:1624 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:192
L:1696 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:1980
L:3873 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:35
M:340 Repeated in SeqNo=35